

M 5.3, 163 km SE of Sarangani, Philippines

Origin Time: 2023-08-28 17:59:16 UTC (Tue 01:59:16 local)
Location: 4.3630° N 126.5063° E Depth: 26.8 km

PAGER
Version 5

Created: 6 days, 22 hours after earthquake

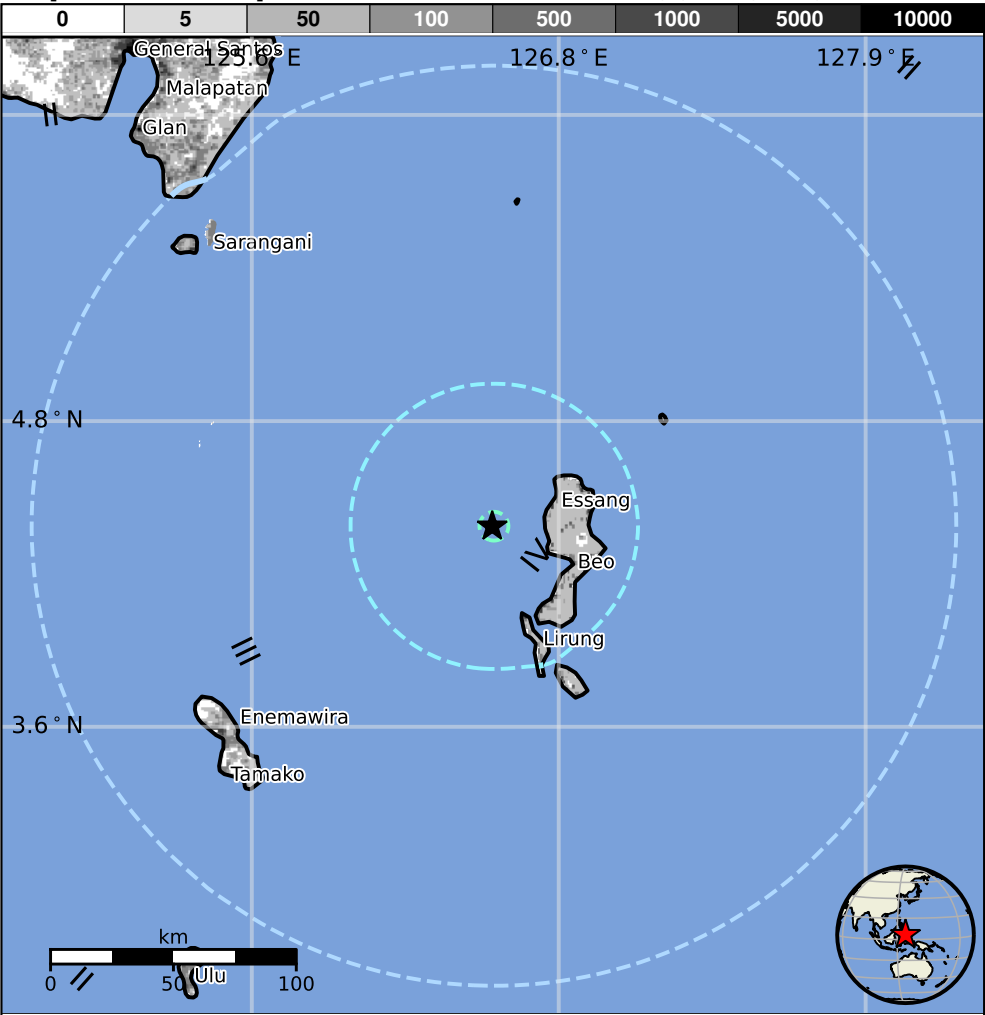


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,408k	190k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2007-01-21	361	7.5	VI(283k)	3
2003-05-26	345	6.9	VIII(10k)	1
2002-03-05	314	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Essang	<1k
IV	Beo	<1k
IV	Rainis	<1k
IV	Lirung	<1k
III	Mangarang	<1k
III	Enemawira	<1k
II	Glan	24k
II	Malapatan	19k
II	Alabel	43k
II	Buayan	15k
II	General Santos	680k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000krja#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000krja